

Panarea COMPACT

Instantaneous wall-hung combination gas boiler



Width

**400
mm**

Height

**700
mm**

Depth

**250
mm**



Life-enhancing heat

GB

Instantaneous wall-hung combination gas boiler

Panarea COMPACT



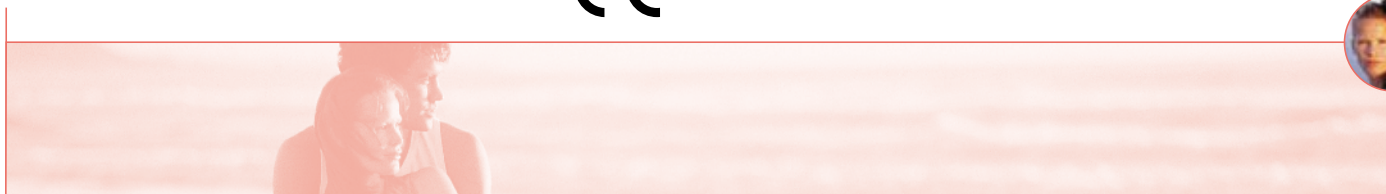
SMALL in its exceptionally space-efficient dimensions

PRACTICAL for simple and convenient installation

EASY for uncomplicated, intuitive operation

COMPLETE with comprehensive functionality

HIGH EFFICIENCY
★★★ efficiency rating for CTFS model
(according to dir. 92/42/CEE)



Life enhancing heat

THE NEW DIMENSION OF COMPACTNESS

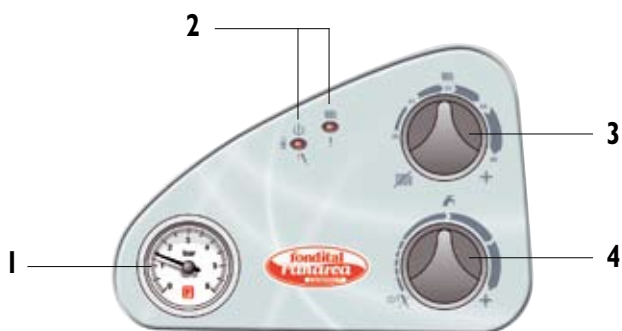
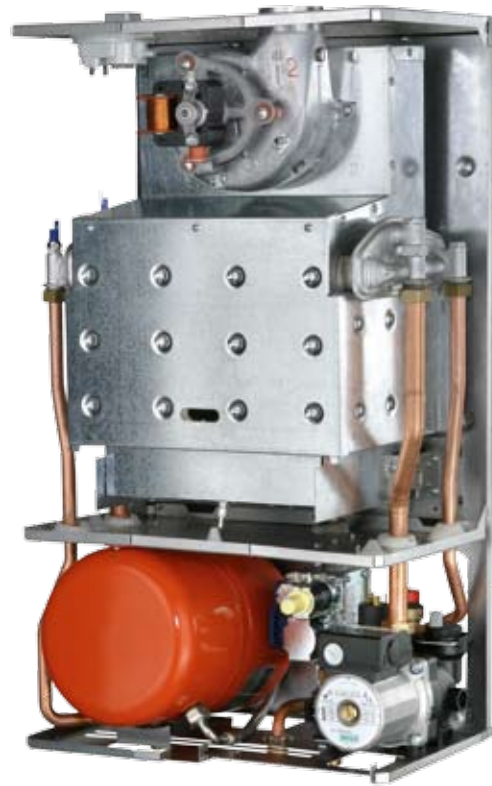
Panarea Compact is the newest instantaneous wall-hung combination boiler by Fondital, designed to condense dimensions to a minimum without giving up technological and quality contents; it is conceived for intuitive user operation.

Thanks to its dimensions, it can be installed inside kitchen wall cupboards and wherever space efficiency is a must.

Panarea Compact is available in two versions, open chamber and natural draught (CTN) or sealed chamber and forced draught (CTFS), providing heat outputs respectively of 22.2 kW and 23.7 kW.

The tasteful design of its control panel goes well along with its intuitive operation, allowing the user to instantly set boiler parameters.

Multi-color LED technology provides complete and effective operation diagnostic; the manometer, conveniently located and easy to read, displays central heating system pressure.

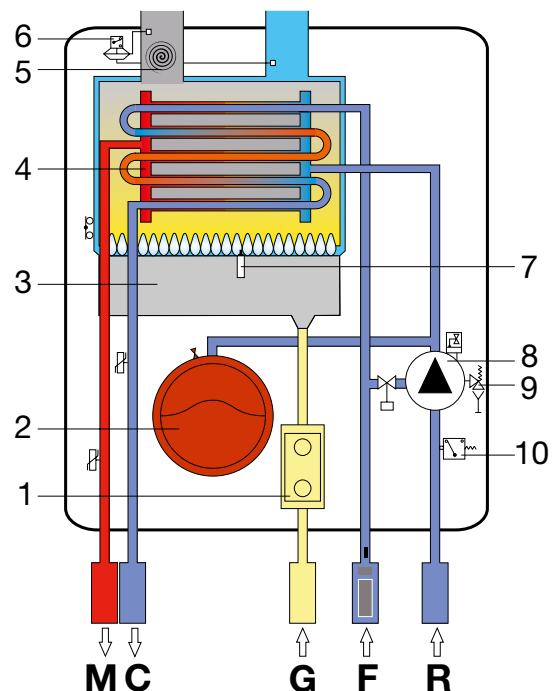


- 1 Manometer
- 2 Multicolor LED diagnostic, operating mode indicators
- 3 Summer/winter / central heating water temperature adjuster
- 4 Domestic hot water temperature adjuster / boiler reset



HYDRAULIC LAYOUT

Mod. CTFS

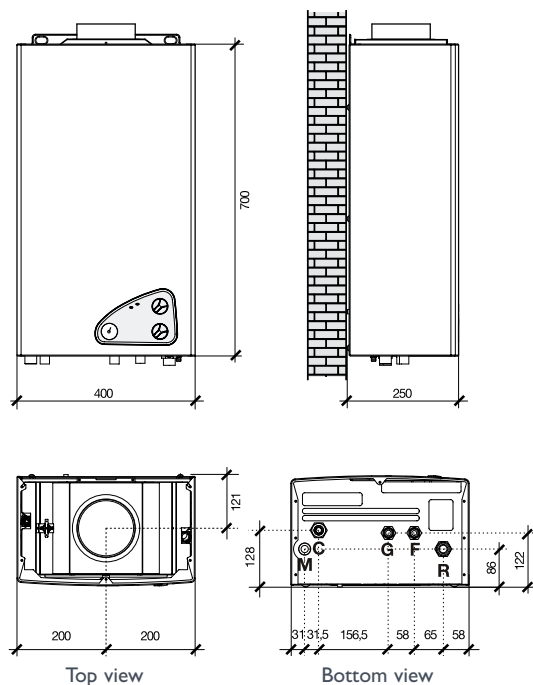


- 1 Gas valve
- 2 Expansion vessel
- 3 Burner
- 4 Bi-thermal exchanger
- 5 Flue gas discharge fan
- 6 Flue gas safety pressure switch
- 7 Ignition/flame detection electrode
- 8 Pump
- 9 3 bar safety valve
- 10 Water pressure switch

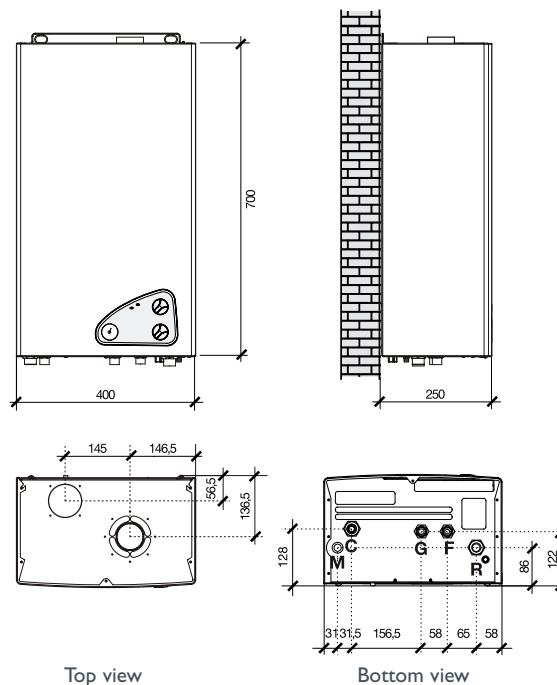
Panarea COMPACT

DIMENSIONS

CTN 24 AF



CTFS 24 AF



Coupling positions when
installing articles
code 0KITIDBA07 - 0KITIDBA09

- G** Gas inlet (1/2")
- M** Central heating flow (3/4")
- C** Domestic hot water outlet (1/2")
- F** Domestic cold water inlet (1/2")
- R** Central heating return (3/4")

ACCESSORIES

Item	Description	Code
	Standard split pipe kit for "COMPACT" boilers	OSDOPPIA07
	Plus split pipe kit for "COMPACT" boilers (pipes 0.5 meter long duct)	OSDOPPIA08
	Paper template (delivered as standard with boiler)	ODIMACAR05
	Metal template for "COMPACT" boilers	ODIMMEC004
	Standard hydraulic kit "COMPACT" (copper pipes and straight taps)	0KITIDBA09
	Plus hydraulic kit for "COMPACT" (copper pipes, 90 degree taps and bi-cones)	0KITIDBA07

The boiler packaging includes: • Paper template • Fixing plugs • Air intake opening sealing cap • Instruction manual

the newest compact boiler

Panarea **COMPACT**

Wall-hung combination gas boiler with instantaneous domestic hot water supply available in two versions:

- open chamber and natural draught (CTN)
- sealed chamber and forced draught (CTFS)
- Designed as standard to be fired with natural gas or LPG
- Central heating and domestic hot water supply
- Compact dimensions l x h x d: 400 x 700 x 250 mm;
- 5-pipe, copper, bi-thermal, high efficiency heat exchanger
- Integrated safety board with burner electronic ignition and flame sensing via single electrode
- Multi-color Led technology function diagnostics
- Anti-fast, anti-frost, pump anti-blocking, pump post-circulation functions
- Pump assembly includes water pressure switch, 3 bar safety valve, system loading assembly with loading and unloading taps
- 92/42/CEE efficiency rating:

CTN 24 AF ★★

CTFS 24 AF ★★★



Hydraulic assembly



Bi-thermal heat exchanger



Fondital company operates under **UNI EN ISO 9001:2000** certified quality system management.

Internal quality assessment of functionality, manufacturing processes, and final products ensure reliability and trouble-free operation.



Panarea COMPACT

TECHNICAL DATA

		CTFS 24 AF	CTN 24 AF
Category		II 2H3+	II 2H3+
Number of nozzles		11	11
Max heat input	kW	25.5	24.5
Reduced CH input	kW	12.5	12
Max heat output	kW	23.7	22.2
Reduced CH output	kW	11.2	10.8
Efficiency at max heat output	%	93	90.6
Efficiency at 30% heat output	%	90.2	90
92/42/CEE efficiency rating		★★★	★★
CO ₂ at max heat output (natural gas)	%	6.3	5.7
CO ₂ at min heat output (natural gas)	%	2.7	2.7
Chimney heat losses with burner on	%	5.8	6.1
ΔT flue gas/air at max heat output	°C	107	85
Casing heat losses (indoor boiler installation)	%	1.2	3.2
Flue gas mass flow rate (natural gas G20)	g/s	16	16.7
Consumption at max output:			
Natural gas (G20)	m ³ /h	2.7	2.59
Butane gas (G30)	kg/h	2.01	1.93
Propane gas (G31)	kg/h	1.98	1.9
DHW supply ΔT 30°C	l/min	11.4	10.6
Minimum DHW flow rate	l/min	3	3
Min-max DHW pressure	bar	0.5 - 8	0.5 - 8
Maximum DHW temperature	°C	58	58
Minimum DHW temperature	°C	35	35
Expansion vessel capacity	l	6	6
Min-max central heating system pressure	bar	0.5 - 3	0.5 - 3
Maximum CH water temperature	°C	83	83
Minimum CH water temperature	°C	35	35
Burner maximum pressure	Natural gas (G20)	mbar	12.5
Burner minimum pressure	Natural gas (G20)	mbar	3
Burner maximum pressure	Butane gas (G30)	mbar	28
Burner minimum pressure	Butane gas (G30)	mbar	7
Burner maximum pressure	Propane gas (G31)	mbar	36
Burner minimum pressure	Propane gas (G31)	mbar	9.5
CH flow/return diameter		G 3/4	G 3/4
DHW inlet/outlet diameter		G 1/2	G 1/2
Gas coupling diameter		G 1/2	G 1/2
Flue gas discharge pipe diameter	mm	-	130
Air intake/flue gas coaxial discharge pipe diameter	mm	100/60	-
Air intake/flue gas split discharge pipe diameter	mm	80+80	-
Tension/frequency	V/Hz	230/50	230/50
Total electric power absorbed	W	140	80
Fuse	A	2	2
Control panel protection rating		IPX4D	IPX4D
LxHxD	mm	400x700x250	
Weight	Kg	27.5	24.85

The manufacturer reserves the right to implement modifications without notice.

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COMPANY
WITH QUALITY SYSTEM
CERTIFIED BY DNV
=ISO 9001/2000=

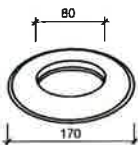


Accessories

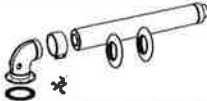
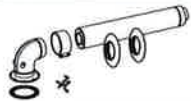
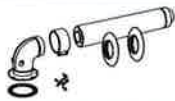
Ø 80 mm ducts and accessories

Item	Description	Code
	Ø 80 mm, 1 metre long duct (TFS boilers)	0CONDOTT00
	Ø 80 mm, 0.5 metre long duct (TFS boilers)	0CONDOTT01
	Ø 80 mm, 90° wide radius elbow (TFS boilers)	0CURRALA00
	Ø 80 mm, 90° narrow radius elbow (TFS boilers)	0CURRAST00
	Ø 80 mm, 45° elbow (TFS boilers)	0CURVAXX00
	Ø 80 mm, 90° elbow narrow radius with inspection opening (TFS boilers)	0CURVAXX03
	Ø 80 mm, 30 mm high air intake AISI316 stainless steel grille (TFS boilers)	0GRIASIN00
	Ø 80 mm double lipped seal	0GUADOLA02

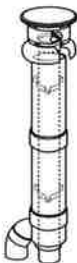
Ø 80 mm ducts and accessories

Item	Description	Code
	External protection grille	OGRIPRES00
	Silicone wall rose (internal Ø 80 mm / external Ø 170 mm)	OROSPASI00
	Ø 80 mm, 132 mm long vertical stub pipe (TFS boilers)	OTRONCMF00
	Ø 80 mm, 135 mm long vertical stub pipe with condensate collection (TFS boilers)	OTRONVER00
	Ø 80 mm condensate trap (TFS boilers)	ORACCOOR00
	Ø 80 mm stainless steel anti-wind terminal (TFS boilers)	OTERCOIN00
	Ø 80 mm stainless steel "Chinese" terminal (TFS boilers)	OTERMGIN00
	Ø 80 mm vertical chimney terminal	OTESTCAM00

Ø 100/60 mm coaxial ducts

Item	Description	Code
	Ø 100/60 mm vertical coaxial coupling (TFS boilers)	0ATTCOVE00
	Ø 100/60 mm vertical coaxial coupling with condensate collection (TFS boilers)	0ATTCOVE02
	Ø 100/60, mm 90° coaxial elbow with flange (TFS boilers)	0CURCOFL00
	Ø 100/60, mm 90° coaxial elbow (TFS boilers)	0CURVCON00
	Ø 100/60, mm 45° coaxial elbow (TFS boilers)	0CURVCON01
	Ø 60 mm and Ø 100 mm double lipped seal	0GUADOLA00
		0GUADOLA01
	Air intake sealing cap kit (TFS boilers)	0KITTACA00
	Ø 100 external rose	0ROSONEX00
	Ø 100 internal rose	0ROSONEX01
	Ø 100/60 mm, 1 metre long type "A" coaxial kit (TFS boilers)	0KITCONC00
	Ø 100/60 mm, 0.75 metre long type "A" coaxial kit (TFS boilers)	0KITCONC01
	Ø 100/60 mm, 0.5 metre long type "A" coaxial kit (TFS boilers)	0KITCONC03
	Ø 100/60 mm, 0.5 metre long type "C" coaxial kit for boiler cover (TFS boilers)	0KITCONC02
	Ø 100 band for coaxial kits	0FASCETT04
	Ø 100/60 mm, 0.5 or 1 metre long type "C" coaxial kit (TFS boilers)	0TUBCOLU00 (1 m.)
		0TUBCOLU01 (0.5 m.)

Chimneys and accessories

Item	Description	Code
	Ø 100/60 mm coaxial roof flue gas duct (TFS boilers)	0SCATECO00
	Vertical flue gas duct kit with chimney, from Ø 100/60 to Ø 80 mm (TFS boilers)	0KVERCAM01
	Ø 80/80 mm chimney for split flue gas duct (TFS boilers)	0CAMCOSD00
	Tile for descending roof (flue gas duct)	0TEGTEIN00
	Tile for flat roof (flue gas duct)	0TEGTEPI00
	Kit of flexible pipes (covered in stainless steel) N° 2 x ¾" - N° 3 x ½" L: 260/520 mm	0KITIDTR00
	300B day/week room programmable chronothermostat	0CROAMSE00
	Electro-mechanical room thermostat	0TERAMEL00